A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C08G59/68 C08L63/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7- G03F C08G C08L

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the International search (name of date base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

|   | ENTS CONSIDERED TO BE RELEVANT   |   |  |
|---|--|---|--|
| Category °  | Citation of document, with indication, where appropriate, of the   | ne relevant passages  | Relevant to claim No.  |
| X   | US 6 106 999 A (TSUKAHARA HISA<br>22 August 2000 (2000-08-22)<br>column 2, line 50<br>column 57, line 7,17,59<br>column 58, line 55<br>column 60, line 10-22<br>example 1  | SHI ET AL)  | 1,9-12,<br>16-18,<br>21,22,24  |
| Y   | US 5 359 017 A (ENDOH TAKESHI<br>25 October 1994 (1994-10-25)  | ET AL)  | 1-5,<br>7-12,<br>21-24   |
| A   | column 1, line 51-61 column 3, line 9-13; examples   | •   | 6,13-20  |
|   |  |   |  |
| χ Fur   | ther documents are listed in the continuation of box C.  | Y Patent family members are tisjec  | lin annex.   |
| <u> </u>  |  | Patent family members are tisled  | l in annex.  |
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| Y US 3 395 121 A (KOPACKI ADAM F ET AL) 30 July 1968 (1968-07-30)  column 1, 11ne 41-48; example 1 column 2, 11ne 29-33  A WO 93 15124 A (MINNESOTA MINING & MFG) 5 August 1993 (1993-08-05) claims 1,13 | C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  Category * Citation of document, with Indication, where appropriate, of the relevant passages | Relevant to claim No.  |
|--|---|------------------------|
| 30 July 1968 (1968-07-30)  column 1, line 41-48; example 1 column 2, line 29-33  WO 93 15124 A (MINNEOTA MINING & MFG) 5 August 1993 (1993-08-05) claims 1,13  | Accepting Contained of document, with intercation, where appropriate, or the relevant passages  | Heisyall to daili iyo. |
| 5 August 1993 (1993-08-05) claims 1,13   | 30 July 1968 (1968-07-30)   | 7-12,                  |
|  | 5 August 1993 (1993-08-05)  | 1-24                   |
|  |   |                        |
|  |   |                        |
|  | -   |                        |
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Into mation on patent family members

|   | Internati | ication No |
|---|-----------|------------|
| ĺ | PCT/GB    | 03/02410   |

|    | atent document<br>d in search report |   | Publication date |  | Patent family member(s)   | Publication date   |
|----|--------------------------------------|---|------------------|--|---|--|
| US | 6106999                              | A | 22-08-2000       | JP<br>JP<br>JP<br>JP<br>JP<br>TW                               | 11116612 A<br>11315268 A<br>11352675 A<br>11352685 A<br>11352686 A<br>2000003038 A<br>494275 B  | 27-04-1999<br>16-11-1999<br>24-12-1999<br>24-12-1999<br>24-12-1999<br>07-01-2000<br>11-07-2002   |
| US | 5359017                              | A | 25-10-1994       | DE<br>EP<br>WO<br>JP   | 511405 T1<br>0511405 A1<br>9208745 A1<br>5005006 A  | 12-08-1993<br>04-11-1992<br>29-05-1992<br>14-01-1993   |
| US | 3395121                              | Α | 30-07-1968       | NONE   |   |  |
| WO | 9315124                              | A | 05-08-1993       | AU<br>CA<br>DE<br>DE<br>EP<br>ES<br>JP<br>JP<br>KR<br>MX<br>WO | 3141093 A<br>2122467 A1<br>69205998 D1<br>69205998 T2<br>0623151 A1<br>2079903 T3<br>3268532 B2<br>7503266 T<br>219955 B1<br>9300159 A1<br>9315124 A1 | 01-09-1993<br>05-08-1993<br>14-12-1995<br>28-03-1996<br>09-11-1994<br>16-01-1996<br>25-03-2002<br>06-04-1995<br>01-09-1999<br>01-07-1993<br>05-08-1993 |